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**NOV 22 2004**

Attorney's Docket 021123-0273989  
Client Reference: 990168 BT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re PATENT APPLICATION of:  
BETTINA MOCKEL ET AL.

Confirmation No: 8596

Application No.: 09/725,178

Group Art Unit: 1652

Filed: November 29, 2000

Examiner: R.G. Hutson

Title: NOVEL NUCLEOTIDE SEQUENCES ENCODING THE GPM GENE

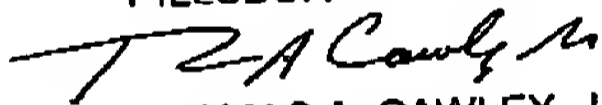
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P.O. Box 1450  
Alexandria, VA 22313-1450**

**CERTIFICATION OF FACSIMILE TRANSMISSION  
UNDER 37 C.F.R. §1.8**

I hereby certify that the following papers are being facsimile  
transmitted to the Patent and Trademark Office at (703) 872-9306 on the date  
shown below:

Amendment Transmittal  
Amendment and Response under 37 CFR 1.116

PILLSBURY WINTHROP LLP



THOMAS A. CAWLEY, JR., PH.D.  
Reg. No. 40944

Date: November 22, 2004  
P.O. Box 10500  
McLean, VA 22102  
Telephone: (703) 905-2000  
Facsimile: (703) 905-2500

(Certification of Facsimile Transmission—page 1)

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For: NOVEL NUCLEOTIDE SEQUENCES ENCODING THE GPM GENE

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**AMENDMENT/RESPONSE TRANSMITTAL**

Transmitted herewith is an amendment/response for this application.

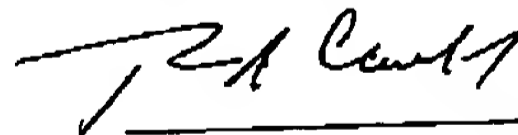
**FEES**

The fee for claims and extension of time (37 C.F.R. 1.16 and 1.17) has been calculated as shown below:

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDIT. FEE
TOTAL	27	- 27	= 0	x \$ 18.00	= \$ 0.00
INDEP.	6	- 6	= 0	x \$ 88.00	= \$ 0.00
FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+ \$ 0.00	= \$ 0.00
TOTAL ADDITIONAL CLAIM FEE					\$ 0.00
GRAND TOTAL					\$ 0.00

**FEE PAYMENT**

Authorization is hereby made to charge any additional fees required by this paper or credit any overpayment in the manner authorized above. A duplicate of this paper is attached.

Date: November 22, 2004  
PILLSBURY WINTHROP LLP  
P.O. Box 10500  
McLean, VA 22102  
703. 905.2144THOMAS A. CAWLEY, JR., PH.D.  
Reg. No. 40944

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Reply Under 37 C.F.R. §1.116  
Expedited Procedure  
Group Art Unit 1652

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Confirmation Number: 8596

Mockel *et al.*

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Group Art Unit: 1652

Filed: November 29, 2000

Examiner: R.G. Hutson

Title: Novel Nucleotide Sequences Encoding the gpm Gene

November 22, 2004

**AMENDMENT AND RESPONSE PURSUANT TO 37 C.F.R. §1.116**

MAIL STOP AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is in response to an official [final] action, dated October 20, 2004, wherein the pending claims were rejected under 35 U.S.C. §112, first paragraph. The applicants respectfully traverse in view of the following amendments and remarks.